

Title (en)
Backhauling link calibration

Title (de)
Rücktransport-Verbindungskallibrierung

Title (fr)
Étalonnage de liaison de retour

Publication
EP 2357751 A1 20110817 (EN)

Application
EP 10290078 A 20100217

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Abstract (en)
The invention relates to a method for selecting a set of transport formats to be used for transmissions on a backhauling link (BL) between a base station (BS) and a relay node (RN) of a wireless communications cell (1), comprising: a) generating measurement signals (UL MS, DL MS), in particular a plurality of transport blocks or pilot signals, the measurement signals (UL MS, DL MS) having a transport format supported by the backhauling link (BL); b) transmitting the measurement signals (UL MS, DL MS) over the backhauling link (BL); c) evaluating a transmission quality for the transmission of the measurement signals (UL MS, DL MS) over the backhauling link (BL); repeating steps a) to c) for a plurality of transport formats, and, d) based on the transmission quality, selecting from the plurality of transport formats a set of transport formats to be used for subsequent transmissions of data packets on the backhauling link (BL). The invention also relates to a base station (BS) and to a relay node (RN) for implementing the method, and also to a communications cell (1) and a communications network (2) comprising the same.

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CPC (source: EP)
H04L 1/0002 (2013.01); **H04L 1/0006** (2013.01); **H04L 1/0009** (2013.01)

Citation (search report)

- [IA] US 2008227386 A1 20080918 - DAYAL PRANAV [US], et al
- [A] EP 1830505 A1 20070905 - NTT DOCOMO INC [JP]
- [A] US 2005232183 A1 20051020 - SARTORI PHILIPPE J [US], et al
- [A] US 2003124976 A1 20030703 - TAMAKI TSUYOSHI [JP], et al
- [A] US 2004266339 A1 20041230 - LARSSON PETER [SE]
- [A] IEEE COMPUTER SOCIETY AND IEEE MICROWAVE THEORY AND TECHNIQUES SOCIETY: "IEEE Standard for Local and metropolitan area networks, Part 16: Air Interface for Broadband Wireless Access Systems", 29 May 2009 (2009-05-29), XP002601326, Retrieved from the Internet <URL:http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5062485> [retrieved on 20100917]

Citation (examination)
US 2008107091 A1 20080508 - RAMACHANDRAN SHYAMAL [US]

Cited by
WO2020048589A1

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